

### Purpose of the exercise:

- Mix physical movement into various games and exercises involving numbers, in order to activate children during learning sessions.

### What should the children discover themselves:

- Numbers can be a fun and integral part of physical movement, when used as part of small competitive games (akin to running between different locations/posts).

### How should the teach be helpful without giving the answers directly:


- The teacher should explain the rules of the physical games, and explain how the newmero numbered bricks are used.
- Planning the “locations”/“posts” and being judges can also be part of the exercise, is some pupils are prevented from participating in the physical part of the exercises.

### Which material should be used for the lecture:


- Bricks, depending of the exact game – see following pages
- Some printouts for distribution – The “Pupils material” pages
- A smartboard/large screen could be used to show the following pages and how the children should complete the “Pupils material” pages

**Finding the twin (4-6 years)**

- 1 Build the “posts”: Split the bricks in two identical piles. Put each pile at difference locations.




- 2 Each participating team has one person that takes one brick from Pile1, runs over to Pile2 and finds the “Twin” and runs back. Next person on the team repeats. This continues till there are no more bricks left in Pile 1.




- 3 This continues till there are no more bricks left in Pile 1. The team with most matching pairs, wins. As a variation of the game, Pile2 can be split into more piles.

**Finding the 10 (100 and 1000) friends (5-7 years)**

- 1 Build the “posts”: Split the bricks in two sets, such that all 10-friends (and 100 and 1000 friends) are split into the two piles.




- 2 Each participating team has one person that takes one brick from Pile1, runs over to Pile2 and finds a corresponding 10 (100 or 1000) friend and runs back. Next person on the team repeats. This continues till there are no more bricks left in Pile 1.




- 3 This continues till there are no more bricks left in Pile 1. The team with most matching pairs, wins. As a variation of the game, Pile2 can be split into more piles.

**Building houses (6-8 years)**

- 1 Build the “posts”: In pile 1 consists of small pieces of paper, which have multi digit numbers written on them. For example “57” or “148”. Two or more miles are made up of newmero bricks.



- 2 Each participating team has one person that takes one brick from Pile1, runs over to the other piles to collect the bricks needed to construct the number on the paper slip, and runs back. Next person on the team repeats. This continues till there are no more paper slips left in Pile 1.



- 3 This continues till there are no more bricks left in Pile 1. The team with most matching pairs, wins. As a variation of the game, piles 2, 3 and 4 can be mixed in other ways than by colour.

**Finding the 10 (100 and 1000) friends (5-7 years)**

Name: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Class: \_\_\_\_\_

Write all the 10 (100 and 1000) friends the team got

7	3				
20	80				

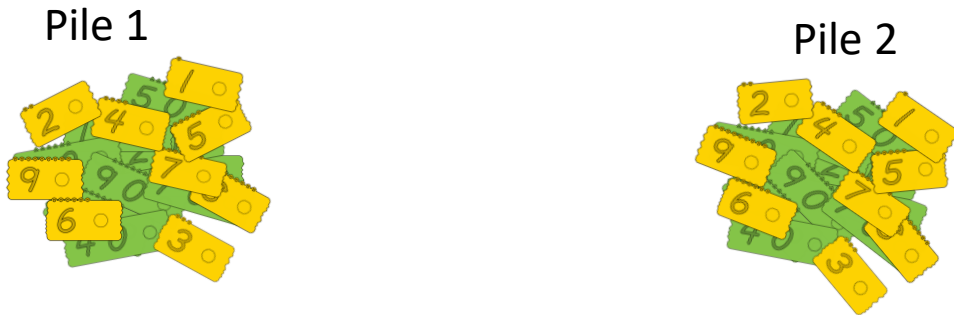
The setup of the piles (posts and locations) ...

... the rules should be exemplified ...

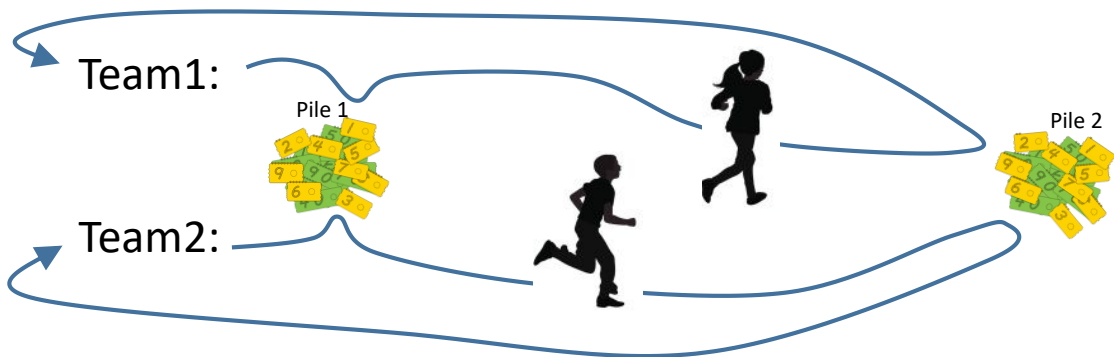
.. and the team results should be noted by the “judges”

# Finding the twin (4-6 years)

- 1** Build the “posts”: Split the bricks in two identical piles. Put each pile at difference locations.



- 2** Each participating team has one person that takes one brick from Pile1, runs over to Pile2 and finds the “Twin” and runs back. Next person on the team repeats. This continues till there are no more bricks left in Pile 1.



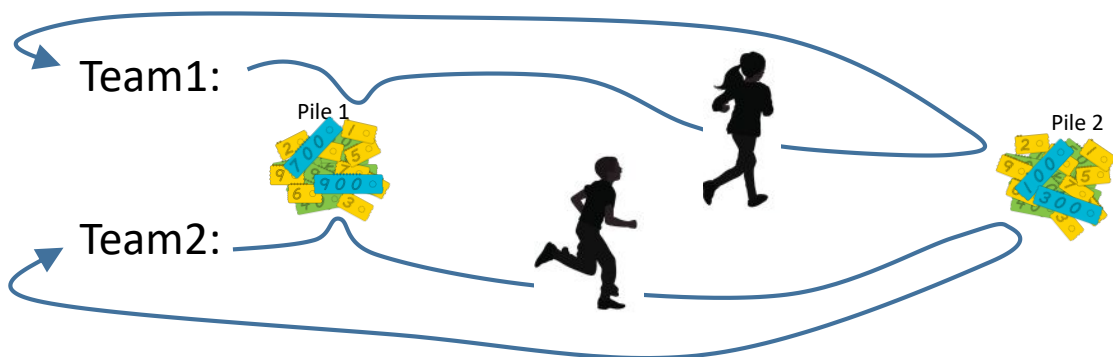
- 3** This continues till there are no more bricks left in Pile 1. The team with most matching twins, wins. As a variation of the game, Pile2 can be split into more piles.

# Finding the 10 (100 and 1000) friends (5-7 years)

- 1** Build the “posts”: Split the bricks in two sets, such that all 10-friends (and 100 and 1000 friends) are split into the two piles.

Pile 1	Pile 2
1000	5000
2000	6000
3000	7000
4000	8000
5000	9000
100	500
200	600
300	700
400	800
500	900
10	50
20	60
30	70
40	80
50	90

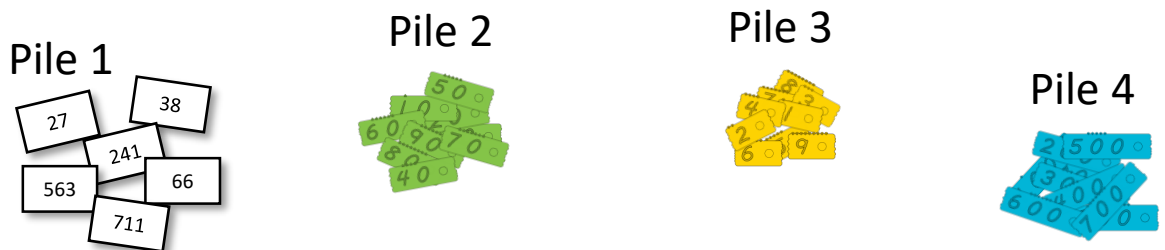
- 2** Each participating team has one person that takes one brick from Pile1, runs over to Pile2 and finds a corresponding 10 (100 or 1000) friend and runs back. Next person on the team repeats. This continues till there are no more bricks left in Pile 1.



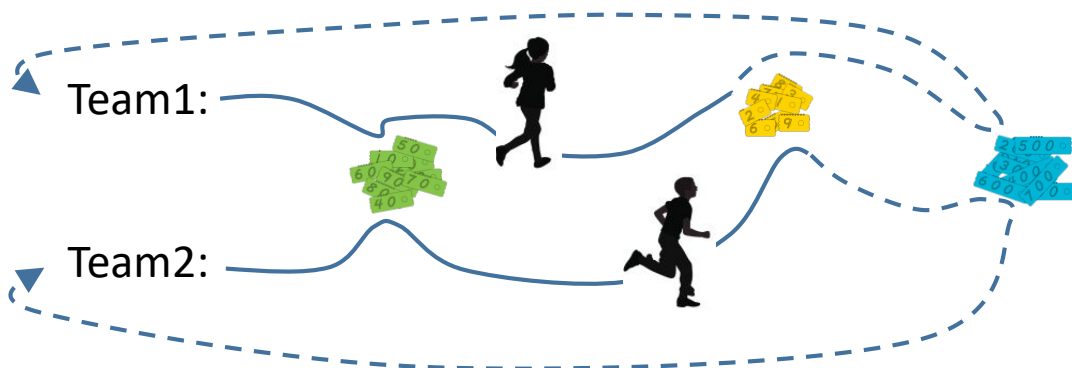
- 3** This continues till there are no more bricks left in Pile 1. The team with most matching pairs, wins. As a variation of the game, Pile2 can be split into more piles.

# Building houses (6-8 years)

- 1** Build the “posts”: In pile 1 consists of small pieces of paper, which have multi digit numbers written on them. For example “57” or “148”. Two or more miles are made up of newmero bricks.



- 2** Each participating team has one person that takes one brick from Pile1, runs over to the other piles to collect the bricks needed to construct the number on the paper slip, and runs back. Next person on the team repeats. This continues till there are no more paper slips left in Pile 1.



- 3** This continues till there are no more bricks left in Pile 1. The team with most matching pairs, wins. As a variation of the game, piles 2, 3 and 4 can be mixed in other ways than by colour.

# Finding the Twin

(4-6 years)

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Class: \_\_\_\_\_

Write all the twin pairs the team got

  5     5  

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Finding the 10 (100 and 1000) friends (5-7 years)

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Class: \_\_\_\_\_

Write all the 10 (100 and 1000) friends the team got

7 3

\_\_\_ \_\_\_

\_\_\_ \_\_\_

\_\_\_ \_\_\_

\_\_\_ \_\_\_

\_\_\_ \_\_\_

20 80

\_\_\_ \_\_\_

\_\_\_ \_\_\_

\_\_\_ \_\_\_

\_\_\_ \_\_\_

\_\_\_ \_\_\_

\_\_\_ \_\_\_

\_\_\_ \_\_\_

# Finding the 10 (100 and 1000) friends (5-7 years)

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Class: \_\_\_\_\_

Write all the numbers the team built

Paper slip number:

236

Built number:

2 3 6

# Pile 1: Building houses

– print and cut out

56	24
18	72
65	83
37	49
93	35
142	358
299	811
467	774
586	621